

Bottleneck Event

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Go to the [Genetic Drift-Bottleneck Event Simulation](#) on Biology Simulations.

1. Run through the simulation once. Describe what happened.

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2. In the simulation, only 4 organisms survive the drought. What combinations of colors will result in a final population that doesn't change (the blue and red alleles are still the same)?

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3. Run the simulation four times and record the **post-drought frequencies** in the table.

Trial	1	2	3	4	Average
Blue Allele					
Red Allele					
Blue Phenotype					
Purple Phenotype					
Red Phenotype					

4. Describe your results.

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5. Describe how endangered species are impacted by the bottleneck event. Research a specific example of genetic diversity in endangered species.

